

AMENDMENTS

In the claims:

1. (Currently Amended) A pesticide composition for applying to a plant, the composition comprising:

(a) a phytotoxicity-inducing amount of a phytotoxicity-inducing synthetic pesticide; and

(b) a pesticide-induced phytotoxicity reducing component comprising:

(i) an assimilable carbon-skeleton energy component;

(ii) a water soluble macronutrient component;

(iii) a water soluble micronutrient component; and

(iv) a vitamin/cofactor component;

wherein components (i), (ii), (iii) and (iv) are present in amounts sufficient to reduce pesticide-induced phytotoxicity of the plant.

2. (Canceled)

3. (Previously Presented) The pesticide composition of Claim 1, wherein said pesticide is a small molecule pesticide.

4. (Previously Presented) The pesticide composition of Claim 3, wherein said pesticide is chosen from: sodium aluminofluorides, propiconazoles, mancozeb, maneb, ziram, chlorothalonil, copper hydroxides, myclobutanil, fenbuconazole, captan, carbaryl, cartaps, carbofuran, tebufenozide, dicofol, dinocaps, propanil, oxyfluorfen, chlorinated nitriles, triazoles, aralkyl triazoles, triazole anilides, benzamides, alkyl benzamides, diphenyl ethers, pyridine carboxylic acids, chloroanilines, organophosphates, organosulfurs, carbamates, botanicals, synthetic pyrethroids, antibiotics, farmaneb, dicarboximide, benzimidazoles, phenylamines, imides, strobilurins, phosphonic glycine salt, and mixtures thereof.

5. (Original) The pesticide composition of Claim 1, wherein said pesticide is from about 0.01 % to about 15 % w/w of said composition.

6. (Canceled)

7. (Previously Presented) The pesticide composition of Claim 1, wherein said assimilable carbon-skeleton-energy component is from about 0.1 % to about 20 % w/w of said composition.
8. (Previously Presented) The pesticide composition of Claim 1, wherein said assimilable carbon-skeleton-energy component is chosen from: molasses, whey, corn steep liquor, grape syrup, maple syrup, corn syrup; sucrose, fructose, glucose, lactose, galactose, dextrose, maltose, raffinose, ribose, ribulose, xylulose, xylose, amylose, arabinose; sugar phosphates, e.g. fucose-P, galactose-P, glucose-P, lactose-P, maltose-P, mannose-P, ribose-P, ribulose-P, xylose-P, xylulose-P, adonitol, sorbitol, mannitol, maltitol, ribitol, galactitol, glucitol, gluccuronic acid, alpha ketoglutaric acid, galactonic acid, glucaric acid, gluconic acid, pyruvic acid, polygalacturonic acid, citric acid, succinic acid, malic acid, isocitric acid, folic acid, adenosine, adenosine-P, uridine, uridine-P, thymine, thymine-P, cytosine, cytosine-P, guanine, guanine-P, glycine, alanine, leucine, isoleucine, asparagine, tyrosine, phenylalanine, serine, cysteine, valine, proline, methionine, glutamine, threonine, lysine, aspartic acid, glutamic acid, arginine, and combinations thereof.
9. (Canceled)
10. (Previously Presented) The pesticide composition of Claim 1, wherein said macronutrient component is from about 0.0001 % to about 0.5 % w/w of said composition.
11. (Currently Amended) The pesticide composition of Claim 1, wherein said macronutrient component is chosen from N, P, K, Ca, Mg, S, Cl, Na, C, H, O, and combinations thereof.
12. (Canceled)
13. (Previously Presented) The pesticide composition of Claim 1, wherein said micronutrient component is from about 0.00000001 % to about 0.1 % w/w of said composition.
14. (Currently Amended) The pesticide composition of Claim 1, wherein said micronutrient component is chosen from Zn, Fe, Mn, Cu, B, Mo, Co, and combinations thereof.

15. (Canceled)

16. (Previously Presented) The pesticide composition of Claim 1, wherein said vitamin/cofactor component is from about 0.0000001 % to about 0.1 % w/w of said composition.

17. (Previously Presented) The pesticide composition of Claim 1, wherein said vitamin/cofactor component is chosen from yeast extract, yeast, thiamine pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, *para*-aminobenzoic acid (PABA), nicotinic acid, folic acid and combinations thereof.

18. (Original) The pesticide composition of Claim 1, further comprising a complexing agent.

19. (Original) The pesticide composition of Claim 18, wherein said complexing agent is from about 0.01 % to about 30 % w/w of said composition.

20. (Previously Presented) The pesticide composition of Claim 18, wherein said complexing agent is chosen from: citric acid, lignosulfonate, fulvic acid, ulmic acid, polyhydroxy organic acid, ethylenediamin tetraacetic acid (EDTA), ethylenediaminediacetate (EDDA), ethylenediaminedi(o-hydroxyphenylacetic) acid (EDDHA), hydroxyethylethylene-diaminetriacetic acid (HEDTA), cyclohexane diamine tetraacetic acid (CDTA), diethylene triamine pentacetic acid (DTPA), nitrolotriatic acid (NTA), and combinations thereof.

Claims 21- 29.(Canceled)

30. (Withdrawn) A method comprising applying a pesticide composition according to Claim 1 to a plant.

31. (Withdrawn) The method of Claim 30, wherein said method results in a reduction of the phytotoxicity of said pesticide.

Claims 32-40. (Canceled)

41. (Currently Amended) A pesticide composition for applying to a plant, the composition consisting of:

- (a) a phytotoxicity-inducing synthetic pesticide; and
- (b) a pesticide-induced phytotoxicity reducing component comprising:
 - (i) an assimilable carbon-skeleton energy component;
 - (ii) a water soluble macronutrient component;
 - (iii) a water soluble micronutrient component;
 - (iv) a vitamin/cofactor component; and
 - (v) a surfactant;

wherein components (i), (ii), (iii), (iv) and (v) are present in amounts sufficient to reduce pesticide-induced phytotoxicity of the plant.

42. (Currently Amended) The pesticide composition of Claim 41, wherein:

said phytotoxicity-inducing synthetic pesticide is selected from a sodium aluminofluoride pesticide, a copper hydroxide pesticide, a chlorothalonil pesticide, and a propiconazole pesticide;

said assimilable carbon-skeleton energy component comprises corn syrup;
said water soluble macronutrient component comprises N, K, Ca and Mg;
said water soluble micronutrient component comprises Zn, Fe and Mn;
said vitamin/cofactor component comprises three or more vitamin/cofactors selected from the group consisting of pyridoxine, cyanocobalamin, thiamine, pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, para-aminobenzoic acid (PABA), nicotinic acid and folic acid said pesticide is a small molecule pesticide.

43. (Cancelled)

44. (Currently Amended) The pesticide composition of Claim [[41]] 42, wherein said composition is an aqueous composition; and

_____ said pesticide is from about 0.01 % to about 15 % w/w of said composition;

said assimilable carbon-skeleton energy component is from about 0.1 % to about 20 % w/w of said aqueous composition;

said macronutrient component is from about 0.0001 % to about 0.5 % w/w of said aqueous composition;

said micronutrient component is from about 0.00000001 % to about 0.1 % w/w of said aqueous composition; and

said vitamin/cofactor component is from about 0.0000001 % to about 0.1 % w/w of said aqueous composition.

Claims 45. - 53. (Cancelled)

54. (Currently Amended) A pesticide composition for applying to a plant, the composition consisting of:

- (a) a phytotoxicity-inducing synthetic pesticide; and
- (b) a pesticide-induced phytotoxicity reducing component comprising:
 - (i) an assimilable carbon-skeleton energy component;
 - (ii) a water soluble macronutrient component;
 - (iii) a water soluble micronutrient component;
 - (iv) a vitamin/cofactor component,
 - (v) a complexing agent component; and
 - (vi) a surfactant,

wherein components (i), (ii), (iii), (iv), (v) and (vi) are present in amounts sufficient to reduce pesticide-induced phytotoxicity of the plant.

Claims 55.-56. (Cancelled)

57. (Currently Amended) The pesticide composition of Claim 1 wherein:

the said phytotoxicity-inducing synthetic pesticide is selected from a sodium aluminumfluoride pesticide aluminofluorides, a copper hydroxide pesticide hydroxides, a chlorothalonil pesticide chlorothalonils, and a propiconazole pesticide propiconazoles;

the said assimilable carbon-skeleton energy component comprises corn syrup;
the said water soluble macronutrient component comprises at least one of N, K, Ca and Mg;

the said water soluble micronutrient component comprises at least one of Zn, Fe and Mn;

the said vitamin/cofactor component comprises at least one three or more vitamin/cofactors selected from the group consisting of yeast extract, yeast, pyridoxine, cyanocobalamin, thiamine, pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, *para*-aminobenzoic acid (PABA), nicotinic acid and folic acid.

58. (Currently Amended) The pesticide composition of Claim [[1]] 57 wherein:

said composition is an aqueous composition; and
said pesticide is from about 0.01 % to about 15 % w/w of said aqueous composition;

said assimilable carbon-skeleton energy component is from about 0.1 % to about 20 % w/w of said aqueous composition;

said macronutrient component is from about 0.0001 % to about 0.5 % w/w of said aqueous composition;

said micronutrient component is from about 0.0000001 % to about 0.1 % w/w of said aqueous composition; and

said vitamin/cofactor component is from about 0.0000001 % to about 0.1 % w/w of said aqueous composition

the phytotoxicity-inducing synthetic pesticide is selected from sodium aluminofluorides, copper hydroxides, chlorothalonils, and propiconazoles; and

the pesticide-induced phytotoxicity-reducing component comprises GREEN THUMB 1-0-2.

59. (Withdrawn-Currently Amended) The pesticide composition of Claim 54 wherein:

the said phytotoxicity-inducing synthetic pesticide is selected from a sodium aluminofluoride pesticide aluminofluorides, a copper hydroxide pesticide hydroxides, a chlorothalonil pesticide chlorothalonils, and a propiconazole pesticide propiconazoles;

the said assimilable carbon-skeleton energy component comprises is selected from corn syrup, an organic acid, and combinations thereof;

the said water soluble macronutrient component is selected from comprises N, K, Ca, Mg and combinations thereof;

the said water soluble micronutrient component is selected from comprises Zn, Fe, Mn and combinations thereof;

the said vitamin/cofactor component is selected from component comprises three or

more vitamin/cofactors selected from the group consisting of yeast-extract, yeast, pyridoxine, cyanocobalamin, yeast extract, yeast, thiamine pyrophosphate, riboflavin, biotin, pantothenic acid, phosphatidylcholine, inositol, *para*-aminobenzoic acid (PABA), nicotinic acid, folic acid and combinations thereof;

the said complexing agent is selected from component comprises citric acid[[.]] and fulvic acid and combinations thereof; and

the said surfactant is an organosilicone surfactant.

60. (Currently Amended) The pesticide composition of Claim 54 wherein:

said composition is an aqueous composition; and

said pesticide is from about 0.01 % to about 15 % w/w of said aqueous composition;

said assimilable carbon-skeleton energy component is from about 0.1 % to about 20 % w/w of said aqueous composition;

said macronutrient component is from about 0.0001 % to about 0.5 % w/w of said aqueous composition;

said micronutrient component is from about 0.00000001 % to about 0.1 % w/w of said aqueous composition; and

said vitamin/cofactor component is from about 0.0000001 % to about 0.1 % w/w of said aqueous composition; and

said complexing agent component is from about 0.01 % to about 30 % w/w of said aqueous composition

the phytotoxicity-inducing synthetic pesticide is selected from aluminofluorides, copper hydroxides, chlorothalonils, and propiconazoles;

the pesticide induced phytotoxicity reducing component consists of GREEN THUMB 1-0-2 and an organosilicone surfactant.

Please enter the following new claims:

61. (New) The pesticide composition of Claim 58 wherein said phytotoxicity-inducing synthetic pesticide is a sodium aluminofluoride pesticide.

62. (New) The pesticide composition of Claim 58 wherein said phytotoxicity-inducing

synthetic pesticide is a copper hydroxide pesticide.

63. (New) The pesticide composition of Claim 58 wherein said phytotoxicity-inducing synthetic pesticide is a chlorothalonil pesticide.

64. (New) The pesticide composition of Claim 58 wherein said phytotoxicity-inducing synthetic pesticide is a propiconazole pesticide.